HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

Lake Lynn Hydroelectric Power House and Dam On Cheat River, 100 yards south of West Virginia/Pennsylvania State line Morgantown vicinity Monongalia County West Virginia HAER No. WV-30

NOTE: If reproduced for publication, credit should be given to Jet Lowe, HAER staff photographer, September 1980

WV-30-1	VIEW, LOOKING SOUTHEAST, FROM MIDDLE OF DAM
WV-30-2	VIEW, LOOKING NORTHWEST, FROM MIDDLE OF DAM
WV-30-3	POWERHOUSE AND DAM, VIEW LOOKING SOUTHWEST
WV-30-4	SUSPENSION BRIDGE FROM POWER HOUSE TO SWITCHYARDS
WV-30-5	POWERHOUSE AND DAM, VIEW LOOKING WEST
WV-30-6	POWERHOUSE AND DAM, VIEW LOOKING SOUTH
WV-30-7	VIEW, LOOKING NORTHEAST, SHOWING NORTHWEST FACE OF DAM AND SOUTHWEST ELEVATION OF POWERHOUSE
WV-30-8	POWERHOUSE, NORTHEAST ELEVATION
WV-30-9	POWERHOUSE, NORTHWEST ELEVATION
WV-30-10	VIEW, LOOKING WEST, SHOWING LOG BOOM AND SOUTHEAST ELEVATIONM OF POWERHOUSE AND DAM
WV-30-11	POWERHOUSE, SOUTHEAST ELEVATION
WV-30-12	POWERHOUSE, SOUTHWEST ELEVATION AND TOP OF DAM
WV-30-13	HOUSE FOR TAINTER GATES, INTERIOR VIEW, LOOKING SOUTHWEST
WV-30-14	TRANSMISSION FOR RAISING AND LOWERING TAINTER GATES
WV-30-15	CONTROLLER FOR TAINTER GATES, RAISES AND LOWERS THEM IN 1-1/2 FOOT INCREMENTS

Lake Lynn Hydroelectric Power House and Dam HAER No.WV-30 Index to Photographs (Page 2)

WV-30-16	DETAIL, TAINTER GATE, AIR (i.e., DOWNSTREAM) SIDE
WV-30-17	MULE FOR RAISING AND LOWERING TAINTER GATES
WV-30-18	TRASH FLUME, VIEW LOOKING DOWN FROM TOP OF DAM
WV-30-19	VIEW FROM TOP OF POWERHOUE, LOOKING NORTHEAST TO SWITCHYARDS
WV-30-20	69 KV SWITCHYARD, LOOKING NORTHWEST
WV-30-21	69 KV SWITCHYARD, LOOKING SOUTH SOUTHWEST
WV-30-22	138 KV SWITCHYARD, LOOKING NORTHWEST
WV-30-23	138 KV CIRCUIT BREAKERS, LOOKING SOUTHWEST
WV-30-24	DETAIL, 138 KV CIRCUIT BREAKER
WV-30-25	25 KV SUBSTATION FROM EAST
WV-30-26	GATEHOUSE, LOOKING NORTHEAST
WV-30-27	GATEHOUSE, LOOKING SOUTHWEST
WV-30-28	INTERIOR VIEW OF SCROLL PIT LOOKING UP TOWARDS WATERGATE
WV-30-29	BOTTOM OF SCROLL PIT SHOWING WICKET GATES OF TURBINE
wv-30-30	VIEW DOWN INTO TURBINE PIT SHOWING WICKET GATE CONTROL MECHANISM AND MAIN SHAFT OF I. P. MORRIS TURBINE. TURBINE BUILT BY I. P. MORRIS & DE LA VERGNE, INC. OF PHILADELPHIA, PA, AND INSTALLED IN 1925. TURBINE RATED AT 18,000 HP AT 113.3 RPM UNDER 18.5 FEET OF HEAD.
WV-30-31	SEE WV-30-30
WV-30-32	VIEW UNDERNEATH GENERATOR UNIT SHOWING THRUST BEARING AND LUBRICATING OIL LINES
WV-30-33	GENERAL VIEW OF GENERATORS, LOOKING NORTHEAST
WV-30-34	GENERATOR UNIT #3, BUILT BY WESTINGHOUSE
WV-30-35	GENERATOR UNIT #4, BUILT BY WESTINGHOUSE

EXCITER, GENERATOR UNIT #4

WV-30-36

Lake Lynn Hydroelectric Power House and Dam HAER No. WV-30 Index to Photographs (Page 3)

WV-30-37	EXCITER, GENERATOR UNIT #4
WV-30-38	DETAIL OF EXCITER, GENERATOR UNIT #4
WV-30-39	INTERIOR VIEW OF GENERATOR UNIT #4 SHOWING WINDINGS
WV-30-40	GENERAL VIEW OF POWER HOUSE INTERIOR, LOOKING SOUTHWEST; GOVERNOR FOR UNIT #4 IN FOREGROUND
WV-30-41	GENERAL VIEW OF POWER HOUSE INTERIOR, LOOKING SOUTHWEST: GOVERNOR FOR UNIT #4 IN FOREGROUND
WV-30-42	GOVERNOR, GENERATOR UNIT #1
WV-30-43	DETAIL OF GOVERNOR, UNIT #1
WV-30-44	DETAIL OF GOVERNOR, UNIT #1
WV-30-45	CORRIDOR ALONG BACKSIDE OF GENERATORS; VIEW FROM BEHIND UNIT #4, LOOKING SOUTHWEST
WV-30-46	CORRIDOR ALONG BACKSIDE OF GENERATORS, VIEW FROM NORTHEAST END
WV-30-47	ENTRANCE INTO BUILDING AND MACHINE SHOP
WV-30-48	VIEW FROM ENTRANCE AREA, LOOKING SOUTHWEST, SHOWING OIL TANKS AND OIL PUMPS
WV-30-49	IN-HOUSE WATER PUMPS FOR BUILDING WATER SUPPLY
WV- 30-50	VERTICAL BUS-BARS IN BACKGROUND (MARKED WITH) CONDUCT OUTGOING ELECTRICITY
WV-30-51	MAIN CONTROL PANEL FROM NORTHEAST END
WV-30-52	DETAIL, MAIN CONTROL PANEL. CARDS INDICATE GENERATORS THAT ARE SHUT DOWN FOR REPAIR
WV-30-53	MAIN CONTROL PANEL FROM SOUTHWEST
WV-30-54	NORTHEAST END OF BACK SIDE OF REAR CONTROL PANEL
WV-30-55	SOUTHWEST END OF FRONT OF REAR CONTROL PANEL
WV-30-56	BACKSIDE OF FRONT CONTROL PANEL, NORTHEAST END

Lake Lynn Hydroelectric Power House and Dam HAER No. WV-30 Index to Photographs (Page 4)

WV-30-57 BACKSIDE OF FRONT CONTROL PANEL, SOUTHWEST END

WV-30-58 CIRCUIT BREAKER ROOM, FOURTH FLOOR